

**DETAILED ACTION**

1. This action is responsive to the Applicant's response filed 3/12/08.

As indicated in Applicant's response, claims 22-24 have been amended. Claims 1-24 are pending in the office action.

***EXAMINER'S AMENDMENT***

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given in a telephone interview with Joseph O'Malley, Reg. # 36,226 on 8/13-8/15/08.

The application has been amended as follows.

In the **CLAIMS**:

The claims have been amended according to the herein attached Amendment, namely, "Proposed Amendment for Examiner's Amendment", provided as file "Proposd\_81508.pdf"

***EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE***

4. Claims 1, 5-6, 8, 12-13, 15, 19-20, 25-39 are allowed.

The following is an examiner's statement of reasons for allowance.

The prior art taken separately or jointly does not suggest or teach the following features.

A method or computer product for developing a portal application, having a framework being switchable between a design-time environment (DSE) and a runtime environment (RTE),  
(i) the DSE comprising a JSP editor and a webflow design editor (WDE) component displaying

portal application flow with possible transitions between pages of the application, wherein the webflow file include annotations to declare destinations of a flow transition, or dictate state to share between JSP pages; (ii) RTE deploying the JSP pages as indicated by an application flow and state management component, wherein the application flow and state management component determines state and current page of the portal application based on the annotations of the webflow file, wherein at least one webflow file is updatable and reusable for one or more portal applications runs; (iii) wherein switching to the RTE enables deploying by the user the application as per the webflow file and the JSPs being defined and modified for the deployment instance; and switching to the DSE enables access by the user to the JSP editor to update the JSPs and the webflow, and to access WDE component to update at least one of the annotations of the webflow file; (iv) wherein at least one change made in one webflow file is dynamically reflected in the WDE component; all of which as recited in claims 1, 8, 15.

**IBM/Domino**, "Portalizing Domino Applications for Websphere Portal", discloses a Domino studio having a portal wizard environment including tag libraries support for the customization of tags whereby enabling tags to be defined for a portal development of JSP, wherein tag being customized by the user enables control flow of the application (chap 4.5) such that defined tags can be imported at design time into a JSP script for implementing a portlet development; deploying JSPs to execute portlets as source and target portlets; wherein a Click-to-Action feature (chap. 4.6) in form of user clicking can import data at a source portlet into target portlet, causing the target portlet to dynamically execute, react and display a result; the Click-to-Action being a form of switching between source and target portlet being developed, whereby data yielded among portlet instances being executed are transferrable and chained for

availability to other portlets, and such that source code can be viewable during execution of portlet.

However, IBM's Domino does not teach or suggest webflow design editor component coupled to a JSP editor for depicting possible transitions between pages, deploying the JSP with determining state and current page of the portal application using the annotations in a webflow file, wherein the annotations in the webflow file declare destinations of a flow transition, or dictate state to share between JSP pages, the webflow file being updatable and reusable for more than one portal application as in (i), and wherein updating a annotation in a webflow file is dynamically reflected in the webflow editor as in (iv) in terms of the switching as exactly recited in (iii).

**Jolley et al**, USPN: 7,240,280, discloses a multi-processor based deployment of portlets with dynamic update of webflow and current state of a page depending of events; wherein JSP is for maintaining each portlets, each associated with a webflow. Jolley does not disclose a design-time environment including a JSP editor and Webflow editor as in (i) and (ii), said editors operable to interact with user's deploying the portal JSP, the JSP deployment using a reusable webflow file (created from the flow editor) which is interpreted by the flow and state management component of the runtime environment, the runtime and design environment operable in a dynamic switchable capacity enabling the user to update annotations of said webflow file for instantly redeploying a portal application instance as described in (iii) and (iv).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan A Vu whose telephone number is (571) 272-3735. The examiner can normally be reached on 8AM-4:30PM/Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lewis Bullock can be reached on (571)272-3759.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-3735 ( for non-official correspondence - please consult Examiner before using) or 571-273-8300 ( for official correspondence) or redirected to customer service at 571-272-3609.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Tuan A Vu/

Primary Examiner, Art Unit 2193

August 17, 2008